TRANSMITTAL LETTER TO THE UNITED STATES DESIGNATED/ELECTED OFFICE (DO/EO/US) CONCERNING A SUBMISSION UNDER 35 U.S.C. 371	ATTORNEY'S DOCKET NUMBER 416272003800
	U.S. APPLICATION NO. (If known, see 37 CFR 1.5) 10/523250 Not Yet Assigned

INTERNATIONAL APPLICATION NO. PCT/US2003/023340	INTERNATIONAL FILING DATE 25 July 2003	PRIORITY DATE CLAIMED 30 July 2002

TITLE OF INVENTION METHOD FOR AUTOMATED, LARGE-SCALE MEASUREMENT OF THE MOLECULAR FLUX RATES OF THE PROTEOME OR THE ORGANEOME USING MASS SPECTROMETRY

APPLICANT(S) FOR DO/EO/US Marc K. HELLERSTEIN

Applicant herewith submits to the United States Designated/Elected Office (DO/EO/US) the following items and other information:

1. [X] This is a FIRST submission of items concerning a submission under 35 U.S.C. 371.

2. [ ] This is a SECOND or SUBSEQUENT submission of items concerning a submission under 35 U.S.C. 371.

3. [X] This is an express request to begin national examination procedures (35 U.S.C. 371 (f)). The submission must include items (5), (6), (9) and (21) indicated below.

4. [ ] The US has been elected (Article 31).

5. [X] A copy of the International Application as filed (35 U.S.C. 371 (c)(2))

    a. [ ] is attached hereto (required only if not communicated by the International Bureau).

    b. [X] has been communicated by the International Bureau.

    c. [ ] is not required, as the application was filed in the United States Receiving Office (RO/US).

6. [ ] An English language translation of the International Application as filed (35 U.S.C. 371 (c)(2)).

    a. [ ] is attached hereto.

    b. [ ] has been previously submitted under 35 U.S.C. 154(d)(4).

7. [ ] Amendments to the claims of the International Application under PCT Article 19 (35 U.S.C. 371 (c)(3))

    a. [ ] are attached hereto (required only if not communicated by the International Bureau).

    b. [ ] have been communicated by the International Bureau.

    c. [ ] have not been made; however, the time limit for making such amendments has NOT expired.

    d. [ ] have not been made and will not be made.

8. [ ] An English language translation of the amendments to the claims under PCT Article 19 (35 U.S.C. 371 (c)(3)).

9. [X] An oath or declaration of the inventor(s) (35 U.S.C. 371 (c)(4)). UNSIGNED - 2 pgs

10. [ ] An English language translation of the annexes to the International Preliminary Examination Report under PCT Article 36 (35 U.S.C. 371 (c)(5)).

Items 11 to 20 below concern document(s) or information included:

11. [X] An Information Disclosure Statement under 37 CFR 1.97 and 1.98. - 3 pgs

12. [ ] An assignment document for recording. A separate cover sheet in compliance with 37 CFR 3.28 and 3.31 is included.

13. [X] A preliminary amendment - 3 pgs

14. [X] An Application Data Sheet under 37 CFR 1.76. - 2 pgs

15. [ ] A substitute specification.

16. [ ] A power of attorney and/or change of address letter.

17. [ ] A computer-readable form of the sequence listing in accordance with PCT Rule 13ter.2 and 37 CFR 1.821 - 1.825.

18. [ ] A second copy of the published International Application under 35 U.S.C. 154(d)(4).

19. [ ] A second copy of the English language translation of the international application under 35 U.S.C. 154(d)(4).

20. [X] Other items or information: 1. Form SB/08a/b - 1 pg w/ 1 - ISR and copies of 8 refs attached
                2. Return Receipt Postcard

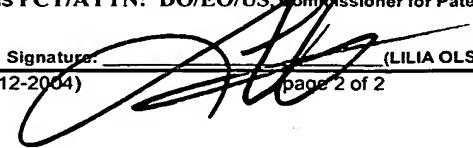| U.S. APPLICATION NO. (if known, see 37 CFR 1.5)	INTERNATIONAL APPLICATION NO.	ATTORNEY'S DOCKET NUMBER

sf-1858454

EV470627075

PTO-1390 (Rev. 12-2004)
Approved for use through 03/31/2007. OMB 0651-0021
U. S. Patent and Trademark Office; U.S. DEPARTMENT OF COMMERCE
Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it displays a valid OMB control number.

Not Yet Assigned 10/522250	PCT/US2003/023340	416272003800

21. The following fees are submitted:

[X] a) Basic national fee $300.00		$ 300.00	
[X] b) Examination fee $200.00		$ 200.00	
[X] c) Search fee $500.00		$ 500.00	
TOTAL OF ABOVE CALCULATIONS = $1000.00		$ 1,000.00	

[ ] Additional fee for specification and drawings filed in paper over 100 sheets (excluding sequence listing or computer program listing filed in an electronic medium). The fee is $250 for each additional 50 sheets of paper or fraction thereof.

Total Sheets	Extra sheets	Number of each additional 50 or fraction thereof (round up to a whole number	RATE	
41 - 100 =	0 /50 =	-0-	x $250.00	-0-

Surcharge of $130.00 for furnishing the oath or declaration later than 30 months from the earliest claimed priority date (37 CFR 1.492 (e)).		$ -0-	

CLAIMS	NUMBER FILED	NUMBER EXTRA	RATE		
Total claims	47 - 20 =	27	x $50.00	$ 1,350.00	
Independent claims	2 - 3 =	-0-	x $200.00	$ -0-	
MULTIPLE DEPENDENT CLAIM(s) (if applicable)			+	$ -0-	
		TOTAL OF ABOVE CALCULATIONS =		$ 2,350.00	
[X] Applicant claims small entity status. See 37 CFR 1.27. The fees indicated above are reduced by ½.				$ 1,175.00	
		SUBTOTAL =		$ 1,175.00	

Processing fee of $130.00 for furnishing the English translation later than 30 months from the earliest claimed priority date (37 CFR 1.492 (f)). +	$ -0-
TOTAL NATIONAL FEE =	$ 1,175.00

Fee for recording the enclosed assignment (37 CFR 1.21 (h)). The assignment must be accompanied by an appropriate cover sheet (37 CFR 3.28, 3.31). $40.00 per property +	$ -0-
TOTAL FEES ENCLOSED =	$ -0-

	Amount to be refunded:	$
	Amount to be charged:	$

a. [ ] A check in the amount of $ _____ to cover the above fees is enclosed.

b. [X] Please charge my Deposit Account No. **03-1952** in the amount of $ **1,175.00** to cover the above fees. A duplicate copy of this sheet is enclosed.

c. [X] The Commissioner is hereby authorized to charge any additional fees which may be required, or credit any overpayment to Deposit Account No. **03-1952**. A duplicate copy of this sheet is enclosed.

d. [ ] Fees are to be charged to a credit card. WARNING: Information on this form may become public. **Credit card information should not be included on this form.** Provide credit card information and authorization on PTO-2038.

NOTE: Where an appropriate time limit under 37 CFR 1.495 has not been met, a petition to revive (37 CFR 1.137 (a) or (b)) must be filed and granted to restore the International Application to pending status.

SEND ALL CORRESPONDENCE TO:

Michael R. Ward
MORRISON & FOERSTER LLP
425 Market Street
San Francisco, CA 94105-2482
CUSTOMER NUMBER: 20872

SIGNATURE: *Michael Ward*
Michael R. Ward

Date: January 26, 2005

Registration No. 38,651

I hereby certify that this correspondence is being deposited with the U.S. Postal Service as Express Mail, Airbill No. EV 470 627 075 US, in an envelope addressed to: MS PCT/ATTN: DO/EO/US, Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450, on the date shown below.

Dated: January 26, 2005 Signature: _____ (LILIA OLSEN)